STIC Search Report
Biotech-Chem Library

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STIC Database Tracking Number: 200780

TO: Satyanarayana Gudibande
Location: 3a20 / 3c18
Thursday, September 07, 2006
Art Unit: 1654
Phone: 571-272-8146
Serial Number: 10 / 078247

From: Jan Delaval
Location: EIC 1700
Remsen 4b30
Phone: 571-272-2504

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Search Notes

```
=> fil reg
FILE 'REGISTRY' ENTERED AT 07:29:07 ON 07 SEP 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    6 SEP 2006   HIGHEST RN 905963-91-9
DICTIONARY FILE UPDATES:   6 SEP 2006   HIGHEST RN 905963-91-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> d sta que 12
L2        621096 SEA FILE=REGISTRY ABB=ON  PLU=ON   (R.R){2-10}R|(R.){3-10}R|(R..
                 ){2-10}R|(R...){2-10}R/SQSP


=> d sta que 130
L30         363 SEA FILE=REGISTRY ABB=ON  PLU=ON  ^(R.R){2-10}R^|^(R.){3-10}R^|
                ^(R..){2-10}R^|^(R...){2-10}R^/SQSP


=> d sta que 126
L2        621096 SEA FILE=REGISTRY ABB=ON  PLU=ON   (R.R){2-10}R|(R.){3-10}R|(R..
                 ){2-10}R|(R...){2-10}R/SQSP
L13              STR
```
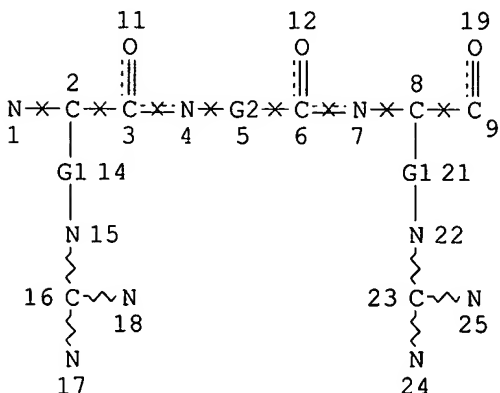
```
            11            12            19
            O             O             O
    2      :‖      8      :‖      8      :‖
N─✕─C─✕─C═✕═N─✕─G2─✕─C═✕═N─✕─C─✕─C
1   |   3   4   5   6   7   |       9
  G1 14                  G1 21
    |                      |
    N 15                   N 22
   ∠                      ∠
16 C⌇N               23 C⌇N
   ∠    18               ∠    25
   N                      N
   17                     24
```

```
REP G1=(3-3) C
REP G2=(2-20) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
```

jan delaval - 7 september 2006

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
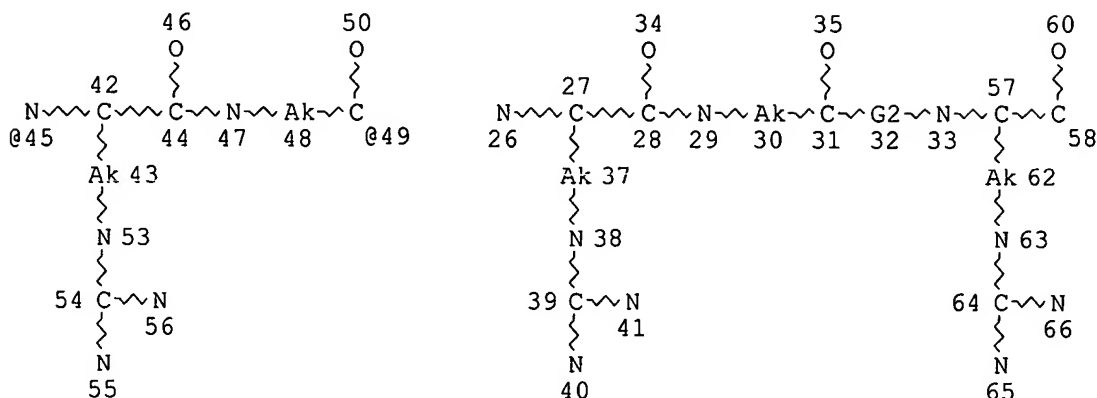RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   22

STEREO ATTRIBUTES: NONE
L15   3452 SEA FILE=REGISTRY SSS FUL L13
L19   STR

```
         46        50              34        35              60
          O         O               O         O               O
    42    ⟨         ⟨         27    ⟨         ⟨         57    ⟨
  N∿∿C∿∿∿C∿N∿Ak∿C         N∿∿C∿∿∿C∿N∿Ak∿C∿G2∿N∿C∿C
  @45   ⟨   44 47 48  @49  26   ⟨   28 29 30 31 32 33  ⟨   58
    Ak 43                   Ak 37                   Ak 62
     ⟨                       ⟨                       ⟨
    N 53                    N 38                    N 63
     ⟨                       ⟨                       ⟨
 54 C∿∿N                39 C∿∿N                64 C∿∿N
    ⟨   56                  ⟨   41                  ⟨   66
    N                       N                       N
    55                      40                      65
```

REP G2=(1-10) 45-31 49-33
NODE ATTRIBUTES:
CONNECT IS M1 RC AT   26
CONNECT IS M1 RC AT   58
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
ECOUNT IS UNLIMITED   AT   26 27 28 29 31 33 34 35 38 39 40 41 42 44 45 46
            47 49 50 53 54 55 56 57 58 60 63 64 65 66

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   36

STEREO ATTRIBUTES: NONE
L21   75 SEA FILE=REGISTRY SUB=L15 CSS FUL L19
L22   25 SEA FILE=REGISTRY ABB=ON PLU=ON L21 NOT AMINOHEXANOYL
L23   50 SEA FILE=REGISTRY ABB=ON PLU=ON L21 NOT L22
L24   1 SEA FILE=REGISTRY ABB=ON PLU=ON L23 AND C78H152N34O14
L25   1 SEA FILE=REGISTRY ABB=ON PLU=ON L23 AND C105H175N37O19S
L26   2 SEA FILE=REGISTRY ABB=ON PLU=ON (L24 OR L25) AND L2

=> d ide can tot 126

L26   ANSWER 1 OF 2   REGISTRY   COPYRIGHT 2006 ACS on STN
RN   457633-17-9   REGISTRY
ED   Entered STN: 01 Oct 2002
CN   L-Arginine, L-arginyl-6-aminohexanoyl-L-arginyl-6-aminohexanoyl-L-arginyl-
      6-aminohexanoyl-L-arginyl-6-aminohexanoyl-L-arginyl-6-aminohexanoyl-L-
      arginyl-6-aminohexanoyl- (9CI)   (CA INDEX NAME)
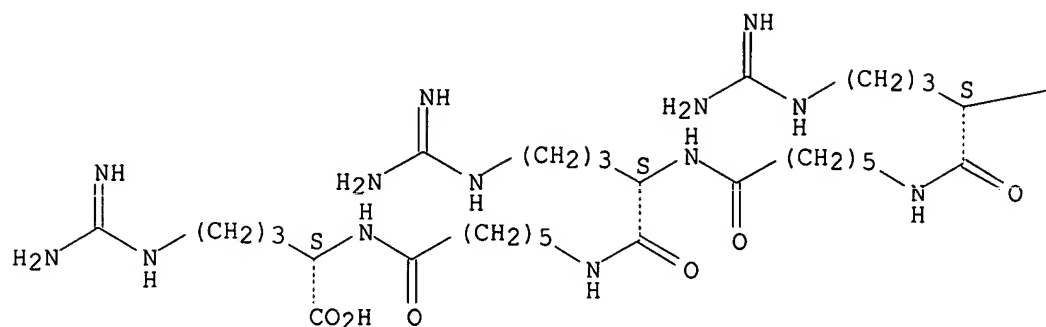FS   PROTEIN SEQUENCE; STEREOSEARCH
MF   C78 H152 N34 O14
SR   CA
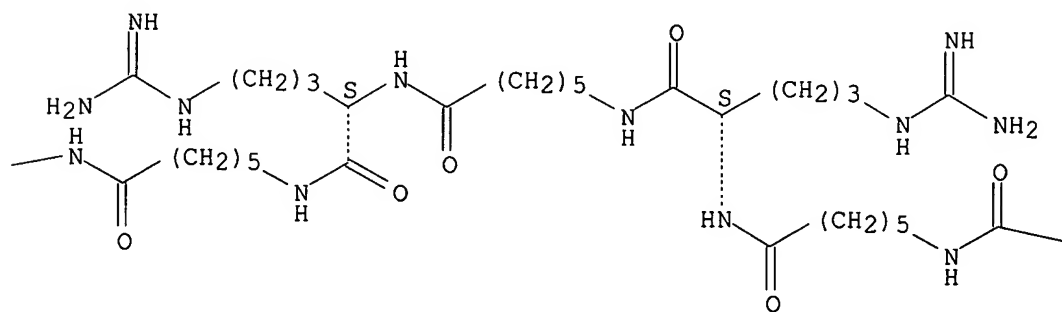LC   STN Files: CA, CAPLUS, CHEMCATS

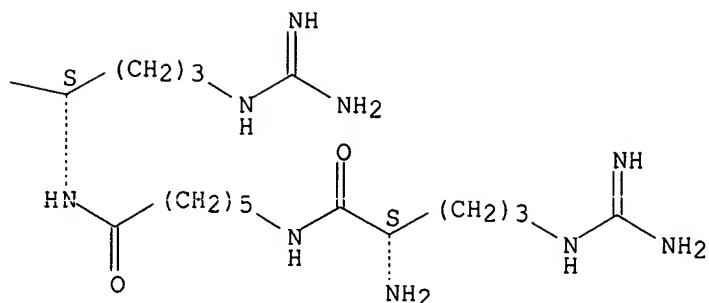**RELATED SEQUENCES AVAILABLE WITH SEQLINK**

Absolute stereochemistry.

PAGE 1-A

PAGE 1-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

                1 REFERENCES IN FILE CA (1907 TO DATE)
                1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE   1: 137:210414

L26   ANSWER 2 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN
RN   452337-26-7 REGISTRY
ED   Entered STN: 18 Sep 2002
CN   L-Argininamide, N2-[6-[[[(3',6'-dihydroxy-3-oxospiro[isobenzofuran-
      1(3H),9'-[9H]xanthen]-5-yl)amino]thioxomethyl]amino]-1-oxohexyl]-L-arginyl-
      6-aminohexanoyl-L-arginyl-6-aminohexanoyl-L-arginyl-6-aminohexanoyl-L-
      arginyl-6-aminohexanoyl-L-arginyl-6-aminohexanoyl-L-arginyl-6-
      aminohexanoyl- (9CI)   (CA INDEX NAME)
OTHER NAMES:
CN   24: PN: WO02065986 TABLE: 1 claimed protein
FS   PROTEIN SEQUENCE; STEREOSEARCH
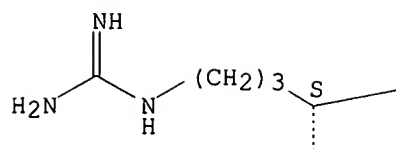MF   **C105 H175 N37 O19 S**
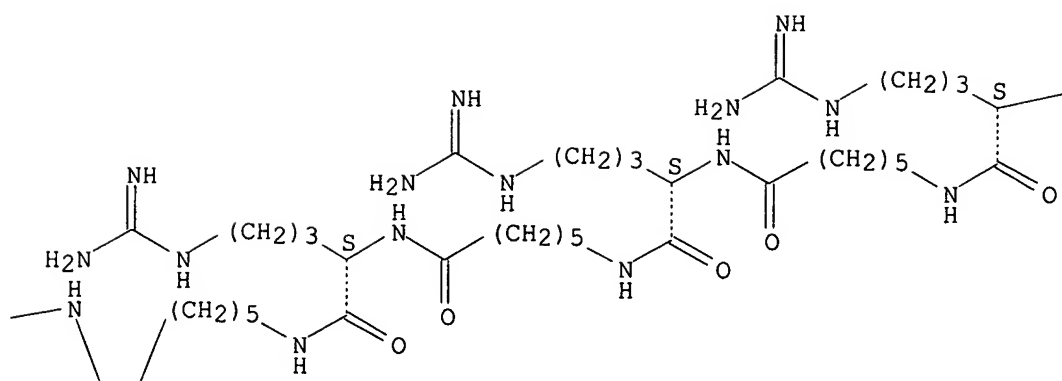SR   CA
LC   STN Files: CA, CAPLUS, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK
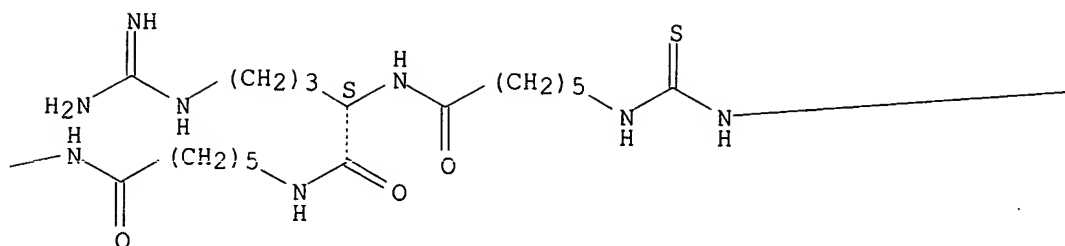
Absolute stereochemistry.

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PAGE 1-B

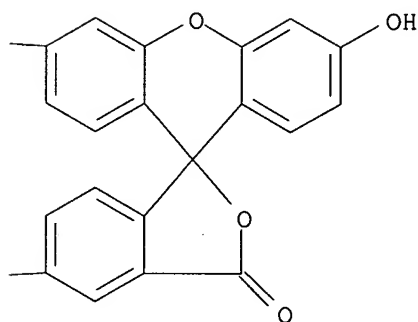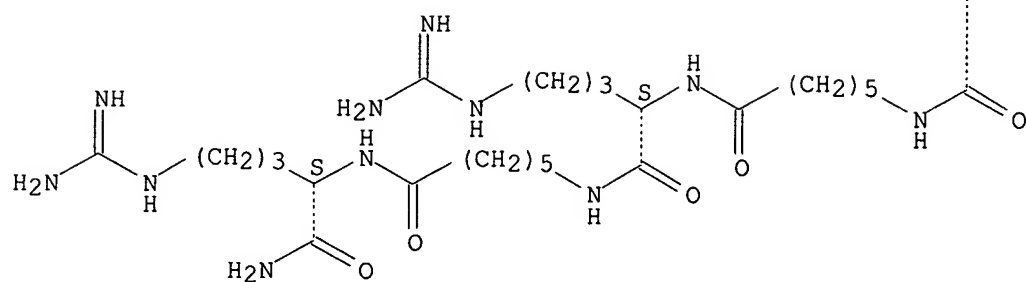PAGE 1-C

HO——————————

PAGE 1-D

PAGE 2-A

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```

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

        2 REFERENCES IN FILE CA (1907 TO DATE)
        2 REFERENCES IN FILE CAPLUS (1907 TO DATE)
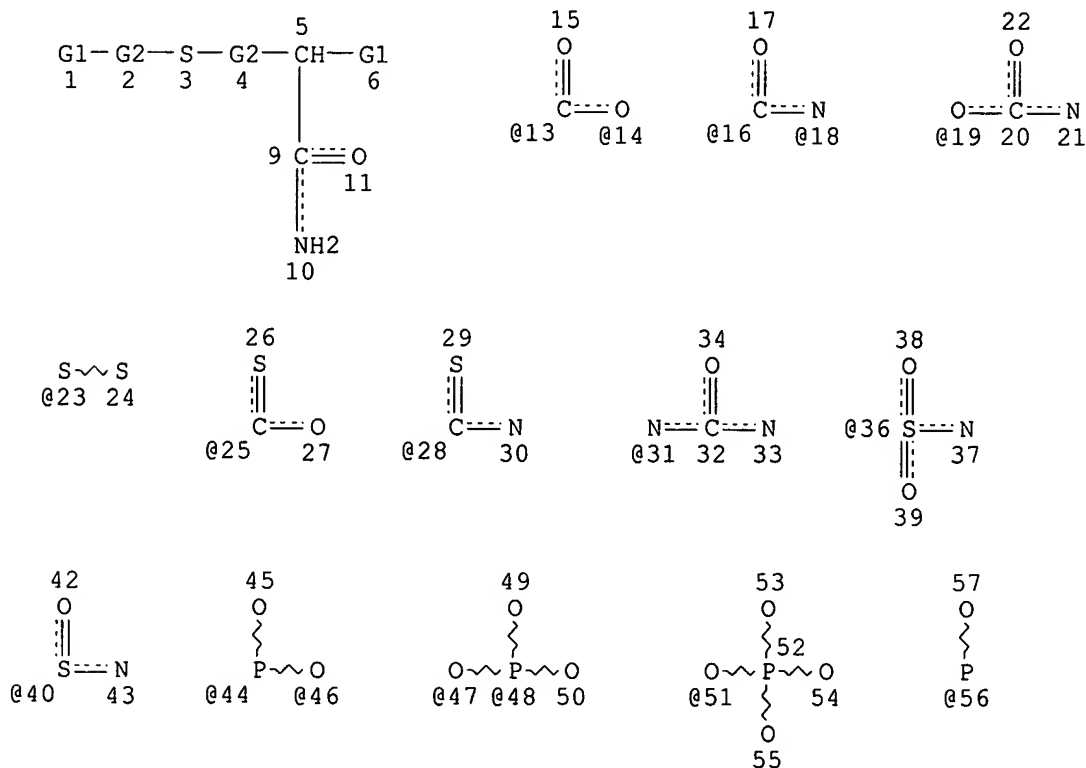
REFERENCE   1:   137:210414

REFERENCE   2:   137:206525


```
=> => d sta que 15
L2         621096 SEA FILE=REGISTRY ABB=ON  PLU=ON   (R.R){2-10}R|(R.){3-10}R|(R..
                  ){2-10}R|(R...){2-10}R/SQSP
L3                STR
                           5             15          17              22
     G1—G2—S—G2—CH—G1        O           O               O
      1   2   3   4      6   ‖           ‖               ‖
                           C----O        C----N        O----C----N
                    |      @13   @14     @16   @18      @19  20  21
                 9  C===O
                    ‖    11
                    :
                   NH2
                   10

                       26            29            34              38
       S~~S            S             S             O               O
       @23 24          ‖             ‖             ‖               ‖
                       C----O        C----N      N----C----N    @36 S----N
                    @25    27      @28    30      @31 32 33        ‖    37
                                                                  O
                                                                  39

       42            45              49            53             57
        O             O               O             O             O
        ‖             )               )             )52            )
        S----N       P~~O          O~~P~~O        O~~P~~O          P
     @40    43      @44   @46      @47 @48 50     @51  )   54     @56
                                                      O
                                                      55
```

VAR G1=13/14/16/18/19/23/25/28/31/36/40/44/46/47/48/51/56
REP G2=(1-2) CH2
NODE ATTRIBUTES:
CONNECT IS E3 RC AT 40
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 52

STEREO ATTRIBUTES: NONE
L5   20 SEA FILE=REGISTRY SUB=L2 SSS FUL L3

100.0% PROCESSED   2629 ITERATIONS   20 ANSWERS
SEARCH TIME: 00.00.01

                                              .

=> => d his

      (FILE 'HOME' ENTERED AT 06:23:19 ON 07 SEP 2006)
                SET COST OFF

      FILE 'REGISTRY' ENTERED AT 06:24:09 ON 07 SEP 2006
L1   QUERY (R.R){2-10}R|(R.){3-10}R|(R..){2-10}R|(R...){2-10}R/SQSP
L2   621096 S L1
L3   STR
L4   0 S L3 SAM SUB=L2
L5   20 S L3 FUL SUB=L2
                SAV L5 GUDIB078/A
L6   0 S L5 AND AMINOHEX?
L7   STR
L8   0 S L7
L9   STR L7
L10   1 S L9
L11   STR L9
L12   50 S L11
L13   STR L11
L14   50 S L13
L15   3452 S L13 FUL
                SAV L15 GUDIB078A/A
L16   365 S L2 AND L15
L17   STR L13
L18   7 S L17 SAM SUB=L15
L19   STR L17
L20   1 S L19 CSS SAM SUB=L15
L21   75 S L19 CSS FUL SUB=L15
                SAV L21 GUDIB078B/A
L22   25 S L21 NOT AMINOHEXANOYL
L23   50 S L21 NOT L22
L24   1 S L23 AND C78H152N34O14
L25   1 S L23 AND C105H175N37O19S
L26   2 S L24,L25 AND L2
L27   12635 S L2 AND 7-41/SQL
L28   12396 S L27 NOT MULTICHAIN/NTE
L29   QUERY ^(R.R){2-10}R^|^(R.){3-10}R^|^(R..){2-10}R^|^(R...){2-10}
L30   363 S L29
                SAV L30 GUDIB078C/A

      FILE 'HCAPLUS' ENTERED AT 07:23:49 ON 07 SEP 2006
L31   2 S L26
L32   375 S L30
L33   2 S L31 AND (WENDER? OR ROTHBARD? OR WRIGHT? OR KREIDER? OR VANDE
L34   17 S L32 AND (WENDER? OR ROTHBARD? OR WRIGHT? OR KREIDER? OR VANDE
L35   14 S L34 AND (PY<=2001 OR PRY<=2001 OR AY<=2001)
L36   15 S L35,L33

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```
L37             13 S L36 NOT L33
L38            160 S L32 AND (PY<=2001 OR PRY<=2001 OR AY<=2001) NOT L36
                   E BIOLOGICAL TRANSPORT/CT
                   E E3+ALL
L39         317579 S E4+NT
                   E DRUG DELIVERY/CT
                   E E7+ALL
L40         211643 S E2+OLD,NT
L41             13 S L36 AND L39,L40
L42              8 S L36 AND ?CONJUGAT?
L43             15 S L36,L41,L42
L44             56 S L38 AND L39,L40
L45             32 S L38 AND ?CONJUGAT?
L46             71 S L44,L45
L47              6 S L46 NOT P/DT
L48             65 S L46 NOT L47
L49             47 S L48 AND (PD<=20010216 OR PRD<=20010216 OR AD<=20010216)
L50             53 S L47,L49
                   SAV L50 GUDIB078D/A


     FILE 'REGISTRY' ENTERED AT 07:29:07 ON 07 SEP 2006


     FILE 'HCAPLUS' ENTERED AT 07:30:10 ON 07 SEP 2006
L51              8 S L5
L52              7 S L51 AND (PY<=2001 OR PRY<=2001 OR AY<=2001)
L53              1 S L52 NOT P/DT
L54              7 S L52 AND (PD<=20010216 OR PRD<=20010216 OR AD<=20010216)
L55              7 S L53,L54
L56              4 S L55 AND L36
L57             15 S L36,L56
L58              3 S L55 NOT L57
L59             56 S L50,L58


                   SAV L59 GUDIB078E/A
                   SAV L57 GUDIB078F/A
```

=> => fil hcaplus
FILE 'HCAPLUS' ENTERED AT 07:33:19 ON 07 SEP 2006
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 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

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